

**To:** Blanchard, Mark R.[M.Blanchard@WestonSolutions.com]  
**Cc:** Myers, Craig[Myers.Craig@epa.gov]; Stevenson, Peter[Stevenson.Peter@epa.gov]; Quiet, Natalie[Natalie.Quiet@WestonSolutions.com]  
**From:** Ackerman, Joyce  
**Sent:** Sun 8/9/2015 8:50:26 PM  
**Subject:** SAP/QAPP

Craig and Pete – I am about  $\frac{3}{4}$  done reviewing the QAPP/SAP. It is a good document – it is pretty general with few site-specific details, such as specific sampling locations. The main question that only you can answer is, do you want to take the extra days to have START make it site-specific, or do you want to be able to issue it as a public document ASAP?

My only substantive questions/comments so far are:

There is a detailed background description on pages 19-20 of the pdf (note page of the pdf, not numbered page of the document). It describes a variety of mines in the area. I think it is useful background and important to note that there could have been historical impacts from other sources. Given the heightened sensitivities, do you think it's okay to have the description of the other mines?

The document discusses the possibility of sampling groundwater, and in one place has a reference to an SOP for sampling wells. However there is no independent discussion of well sampling. Should there be one?

As I stated above, there is no description of sampling locations. It is my assumption that we are using same locations that have been used on the Animas for years, plus new locations. Do we want to take the time to list those locations or leave it general?

I think we should say the release was more than 1 million gallons (pages 7, 19, 21 of the pdf), although I don't think we have yet finalized a new number.

I will let you know if I have any more comments, but wanted you to think about timing versus being more detailed. Thanks!

Joyce

**From:** Wall, Dan  
**Sent:** Sunday, August 09, 2015 2:29 PM  
**To:** Blanchard, Mark R.  
**Cc:** Myers, Craig; Stevenson, Peter; Quiet, Natalie; Ackerman, Joyce  
**Subject:** RE: FSP comments

If we want to be most comparable to data collected over the last the last few years, I would recommend collecting surficial sediments 1-2 cm, targeting fines from deposition areas. No sieving, total metals. I've sent screening numbers R6 and R9 are using as well, to Jan Christner for developing DLs.\

I forgot whether Ca and Mg (or hardness) is included in the analyte list, but please insure we are analyzing for those constituents.

**From:** Blanchard, Mark R. [<mailto:M.Blanchard@WestonSolutions.com>]  
**Sent:** Sunday, August 09, 2015 1:28 PM  
**To:** Wall, Dan  
**Cc:** Myers, Craig; Stevenson, Peter; [tojohns@southernute-nsn.gov](mailto:tojohns@southernute-nsn.gov); Quiet, Natalie; Ackerman, Joyce  
**Subject:** RE: FSP comments

Dan – thanks for the comments.

All – I've added Natalie Quiet to the email. Please copy her on responses as she will be consolidating all comments and coordinating updates.

Also, we have been receiving info from Region 6 regarding sediment sampling so are looking at protocols that could be added to the QAPP if appropriate.

Thanks,

Mark

**Mark Blanchard**

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**From:** Wall, Dan [<mailto:wall.dan@epa.gov>]

**Sent:** Sunday, August 09, 2015 1:13 PM

**To:** Blanchard, Mark R.

**Cc:** Myers, Craig; Stevenson, Peter; [tojohns@southernute-nsn.gov](mailto:tojohns@southernute-nsn.gov)

**Subject:** FSP comments

Holler if you have questions. Also please add U to the analyte list. These comments will cover those from Tom Johnson of the Ute Tribes as well.

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